



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

## Piperaceæ Bolivianæ.

BY CASIMIR DECANDOLLE.

PIPER, L.

*Sectio III Steffensia*, C. DC. (*in Prodr. v. 16, 1, p. 251*).

P. PSILOPHYLLUM, foliis modice petiolatis ovatis basi ima æquali subacutis utrinque glabris, nervo centrali vix ad  $\frac{1}{3}$  longitudinis nervos utrinque 4-5 adscendentes quorum infimos fere e basi mittente, petiolo glabro basi vaginante, pedunculo quam petiolus fere triplo brevior glabro, amento ipso maturo quam limbus parum brevior, bracteæ palta triangulari margine hirsuta pedicecelloque hirsuto, baccæ subtetragonæ glabræ vertice in sicco 4-5 anguloso.

In Bolivia ad Undavi, altid. 8,000 ped. (Rusby n. 2186).

Ramuli glabri læves, amentiferi 3 millim. crassi. Limbi in sicco firmo-membranacei subopaci crebre pellucido-punctulati, ad 16 centim. longi ad 9 centim. lati, apice in specimine detriti. Petioli 15 millim. longi. Pedunculi ad 5 millim. longi. Amenta matura 7 millim. crassa, 12 centim. longa. stamina 4. Species *P. obovati* Ruiz et Pav. (Flor. Per. 1 p. 36, Tab. 53 f. b.) affinis limborum forma ab eo recedens.

P. MAPIRENSE, foliis breviter petiolatis elliptico-lanceolatis basi æquali vel subæquali acutis apice obtusiuscule acuminatis supra glabris subtus ad nervos subtilissime puberulis, nervo centrali circiter ad  $\frac{1}{2}$  longitudinis nervos utrinque 4-5 subadscendentes alternos mittente, petiolo glabro basi ima vaginante, pedunculo glabro petiolum æquante, amento ipso limbum circiter æquante, bracteæ vertice triangulari-truncato margine subtiliter ciliolato, bacca glabra.

In Bolivia ad Mapiri, altitud. 2,500 ped. (Rusby n. 2180).

Ramuli glabri læves ad nodos vix tumidi. Limbi in sicco membranacei opaci crebre pellucido-punctulati circiter 10 centim. longi 5 centim. lati. Petioli 1 centim. longi. Amenta matura 3 millim. crassa. Stamina 4, antheris rotundatis parvis filamenta circiter æquantibus.

Species *P. Oaxacani*, C. DC. (*in Prodr. l. c. p. 274*) affinis limborum forma ab eo discrepans.

P. RUSBYI, foliis brevissime petiolatis oblongo-lanceolatis basi leviter inæquali acutis apice longiuscule acute acuminatis supra scabriuscule polosulis subtus parce pilosulis, nervo centrali ultra

$\frac{1}{3}$  longitudinis nervos adscendentes utrinque 4 mittente, pedunculo glabro petiolum pluries superante, amento ipso florente limbi dimidium circiter æquante, bracteæ pelta triangulari margine ciliolata.

In Bolivia prope Yungas, altitud. 4,000 ped. (Rusby n. 2188).

Ramuli glabri albido-punctulati, amentiferi circiter 2 millim. crassi. Limbi in sicco membranacei virescentes adpectu haud pellucido-punctulati 13 centim. longi  $4\frac{1}{2}$  centim. lati. Petioli vix 3 millim. longi. Pedunculi  $2\frac{1}{2}$  centim. longi. Amenta apice mucronulata, florentia circiter 2 mill. crassa in sicco pallida fuscescencia. Stamina 4.

Species *P. chimonanthifolii*, Kunth (olim) proxima petiolis brevioribus ramulisque glabrioribus ab eo discrepans.

P. OXYPHYLLUM, foliis brevissime petiolatis ovato-lanceolatis basi subæquali rotundato-cordatis apice longiuscule acute acuminatis mucronulatisque utrinque pubescentibus et ad nervos longe pilosis, nervo centrali circiter ad  $\frac{1}{2}$  longitudinis nervos adscendentes utrinque 5 quorum supremos ab aliis remotos mittente, petiolo villosa basi ima vaginante, pedunculo villosa petiolum pluries superante, amento ipso florente quam limbus pluries brevior, bracteæ inferne latæ subcucullatæ dorso hirsutæ apice acute et anguste triangulari cornosulo hirsuto.

In Bolivia prope Yungas, altitud. 4,000 ped. (Rusby n. 2176).

Ramuli juniores longe subochraceo-villosi, amentiferi circiter 2 mill. crassi. Limbi in sicco membranacei grisei subopaci pellucido-punctulati circiter 17 centim. longi vix 5 centim. lati. Petioli 8 millim. longi. Pedunculi 3 centim. longi. Amenta nondum omnino evoluta circiter 4 centim. longa apice breviter mucronata. Stamina 4, antheris ovato-subacutis filamenta circiter æquantibus.

Species *P. Dasyipodi*, C. DC. (in Prodr. l. c. p. 304) affinis.

#### PEPEROMIA, RUIZ ET PAV.

P. NUDICAULIS, foliis alternis modice petiolatis ellipticis basi acutis apice obtusis emarginulatisque utrinque glabris inconspicue 5-nerviis amentis terminalibus filiformibus folia pluries superantibus modice pedunculatis subdensifloris, bractea orbiculari, ovario emerso apice obtuso oblique stigmatifero stigmate minuto.

In Bolivia prope Yungas (Bang n. 331 a).

Glabra inter muscos crescens caulibus erectis 10-12 centim. longis inferne radicanibus in sicco 1 millim. crassis. Limbi in

sicco membranacei subpellucidi subtus haud dense nigro-punctulati circiter 13 millim. longi et 8 millim. lati. Petioli 2 millim. longi. Pedunculi circiter 1 centim. longi. Amenta florentia in sicco 1 millim. crassa.

Species *P. Caldasianae*, C. DC., (in Linn. v. 3, n. f. p. 365). affinis, caulibus glaberrimis et ovario apice obtuso ab ea discrepans.

R. RUSBYI, foliis oppositis breviter petiolatis lanceolatis basi et apice acutis utrinque glabris 5 nerviis, amentis apice caulis 2, axillaribus pedunculatis ipsis folia fere triplo superantibus densifloris, bractea ovato-rotunda, ovario subimmerso oblongo-ovato, stigmate terminali carnosulo papillosulo, bacca oblongo-ovata.

In Bolivia prope Yungas, altitud. 6,000 ped. (Rusby n. 2214).

Glabra inter muscos crescens caulibus erectis inferne radican-tibus in sicco tetragonis. Limbi in sicco coriacei opaci ad 5 centim. longi circiter 5 millim. lati, inconspicue 5-nervi, nervo centrali subtus prominente, cæteris subtilioribus. Petioli circiter 5 millim. longi. Pedunculi 1 centim. longi. Amenta florentia in sicco circiter 2 millim. crassa. Bacca in sicco basi rhachi impressa.

Species *P. tetragonæ*, Ruiz et Pav. Flor. Peruv. v. 1, p. 31, tab 47. affinis sed foliis multo minoribus ab ea distincta.

P. BANGII, foliis quaternis longiuscule petiolatis lanceolatis basi et apice acutis utrinque glabris 3-nerviis, amentis axillaribus terminalibusque longiuscule pedunculatis folia circiter triplo superantibus, bractea ovato-rotunda, ovario immerso.

In Bolivia prope Yungas (Rusby n. 330 a).

Erecta, glabra, caulis in sicco coriaceus 5 millim. crassus, ramuli erecti ad 20 centim. longi. Limbi in sicco firmo-opaci crebre pellucido-punctulati. Nervi. subtus prominuli. Petioli circiter 1 centim. longi. Pedunculi ad 2½ centim. longi. Amenta florifera in sicco 3 millim. crassa. Bractea pedicellata. Ovarium ovatum superne haud contractum apice imo stigma carnosulum gerens.

Species *P. Victorianæ*, C. DC. Prodr. l. c. p. 449 affinis, ab ea foliis minoribus et in sicco crassioribus cauleque haud alato recedens.